

# Desert Diamonds 14" DUCTILE IRON SAFETY BLADE

<b>Uses:</b>	Cutting, beveling and smoothing
<b>Equipment:</b>	Handheld saws, chop saws, hot saws, table saws
<b>Recommended RPM:</b>	2,500-5,500 RPM
<b>Arbor:</b>	1"-20mm <i>or</i> straight 20mm
<b>Materials:</b>	Ductile, cast and angle iron; galvanized steel; schedule 40 and 80 steel pipe; HDPE; C-900 plastic pipes; metal braces; flat stock; hardened lock shackles and padlock bodies; hockey puck locks; chain link fence and security gates; bulletproof glass; rebar; stucco; concrete; block; brick; stone; asphalt; wood; drywall; car doors; 2x4s; plywood
<b>Wet/Dry:</b>	Dry cutting, can be used for wet cutting
<b>Air Flow Technology:</b>	Cooling technology developed by Desert Diamond Industries that allows our blades to cut on red-hot steel without warping or wobbling
<b>Blade Width:</b>	0.125 inch
<b>Segment Weld:</b>	No weld. Blade is solid steel. Eliminating welds eliminates segment loss.
<b>Segment Height:</b>	8mm vacuum-brazed diamond cutting edge
<b>Diamond Percentage:</b>	85% on the cutting edge
<b>Warranty:</b>	<i>Life Time Operator Error Warranty</i> against breakage, warping and wobbling, as well as any damage to the blade caused by the operator (i.e. dropping the saw, bending or pinching blade in cut, damage in storage, etc.)



14-Inch Ductile Iron Safety Blade  
(Part No. 103-14A; 125x1"-20mm)

## INTRODUCTORY OFFER

103-14B TO SUIT 14: (350MM)  
CUT OFF SAWS \$330.00  
Lots of three \$285 each  
103-16B TO SUIT 16"(405MM)  
CUT OFF SAWS \$ 388.00

These prices are subject to GST and Freight

# THE 3 MOST DANGEROUS ACCIDENTS THAT OCCUR DURING USE OF ABRASIVE AND DIAMOND-TIPPED SAW BLADES

Based on OSHA Statistics

**1. ABRASIVE BLADES:** Known as silicon carbide, fiber and/or throwaway blades, these have reached the top of the OSHA list as the deadliest and most dangerous product to use for cutting. Based on OSHA statistics, an employee is **6.3 times more likely to be killed by an abrasive blade shattering than by having a diamond blade shattering**. The same employee is **13 times more likely to suffer a serious injury requiring hospitalization by an abrasive blade than by a diamond blade**. In 2008, a study done by the Consumer Product Safety Commission (CPSC) found that over 453 people were seriously injured when the abrasive blade exploded during operation. In addition, **there are also air quality concerns with abrasive blades**. Tests are underway to determine the exact long-term lung damage caused by the dust from silicon-carbide blades.

**Abrasive blades are more likely to shatter if:**

- The blade being used has been damaged (cracking, exposure to water, etc.)
- The blade gets pinched or bound in the material being cut
- The blade is being run at a RPM higher than recommended
- The blade is reused a different day
- Tilting the saw to the left or right while cutting

**2. DIAMOND BLADE SEGMENT LOSS:** Diamond blade segment loss ranked as the second most deadly and dangerous accident. While not nearly as common as abrasive blades shattering, OSHA reports that when it does happen the results can be disastrous. Sixty percent of the time when a piece broke off and hit an employee, a death occurred. The other 40% were serious injuries requiring hospitalization.

**Reasons for diamond blade segment loss include:**

- Defective welds joining the segment to the core.
- The blade core wearing thin by undercutting.
- Hitting unexpected rebar pries segment from the steel core.
- Weakening the segment weld due to overheating.

**TIP:** It's best to use a company that offers a Lifetime Operator Error Warranty. These companies have the highest quality products, engineered to withstand far more operator error than cheaper imitations.

**3. SAW KICKING BACK:** Saw kick back injuries typically occur when a cutter becomes fatigued from the use of the saw. They will then stand closer to the saw, trying to use more body weight to stabilize the blade inside cut. Or the cuts may take longer than expected because the blade used is not appropriate for the material being cut. This can cause the blade to heat up, start wobbling, or even bounce. Unfortunately, this means that, when the saw kicks back, the operator is closer than is safe.

**Kickbacks can occur when:**

- the blade gets pinched or binds.
- the blade being is not specified to cut the material.
- the blade is warped or glazed over (diminished or no diamond exposed.)
- the cutter uses the top edge side of the blade to cut.

Disclaimer: While every effort has been made to ensure that the information in this brochure is correct and accurate. Users of AWIS Pty Ltd provided product or information within this document must make their own assessment of suitability for their particular application. Product dimensions are nominal only, and should be verified if critical to a particular installation. No warranty is either expressed, implied, or statutory made by AWIS Pty Ltd Products unless expressly stated in any sale and purchase agreement entered into between AWIS Pty Ltd and the

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**A:** PO Box 98(1/15 Stud Rd) Bayswater VIC 3153

**P:** +61 3 9720 2803

**F:** +61 3 9729 0121

**M:** David- 0417 052 443 Terry-0412 854 241

**E:** [david@awis.com.au](mailto:david@awis.com.au) [terry@awis.com.au](mailto:terry@awis.com.au)